

IN THE SPECIFICATION

Please replace the abstract originally filed with the attached one page abstract (one page abstract attached, changes shown below):

ABSTRACT

The invention relates to gudgeon pin bushes which find application in highly-stressed engines, with the problem of a tendency to pit, in particular in the middle regions (with relation to the radial axis of the bush), on starting the motor. According to the invention, ~~[[said]]~~ the problem can be avoided whereby the friction surfaces of a gudgeon pin bush, at least in the high loading region, have the following parameters measured over the bush cross-section in the axial direction: the support percentage is a minimum of 99.0 % to a depth of at most 1.800 m, the depth of the roughness core profile is at most 0.30 m, the proportion of the material Mr1 of the roughness core profile is at most 8 %. ~~[[Said]]~~ The gudgeon pin bush can be obtained by ~~means of a~~ finishing ~~[[for]]~~ the bearing surface of the gudgeon pin bush using a surface machining method.

Please replace the paragraph beginning on line 7 of page 5 with the following paragraph:

A further parameter for determining the quality of the sliding surface topology of the piston pin bushing is the depth of the roughness core profile, the so-called Rk value. If the slice depth is plotted against the ~~material ratio (also known as bearing ratio~~ $[[\]]$, a curve profile is generally obtained which exhibits a broad, flat portion between a steep drop with small bearing ratios and a steep drop with high bearing ratios. Precise determination of the Rk value is described in EN ISO 13565-2. Very good results with regard to seizure-free running-in are achieved with the piston pin bushings according to the invention, if the Rk value of the overlay amounts to a maximum of 0.30 .mu.m in the main load area.